

OIPE 5C118
 AUG 30 2004
 Reduction Act of 1995, no perso
 49/PTO 778-1-88-DM

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTOP

(Use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	10/763,299
Filing Date	January 22, 2004
First Named Inventor	Jennifer K. Fredrick
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	PHA-00538 [PC26991A]

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

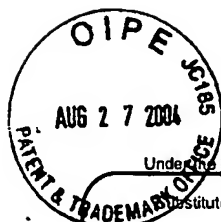
Examiner Signature	/Aradhana Sasan/	Date Considered	04/03/2007
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

US **SSN** 110/763,299 **FILED** January 22, 2004
Docket No. PC26991A [PHA-00538]



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/763,299
Filing Date	January 22, 2004
First Named Inventor	J.K. Fredrickson
Art Unit	1615
Examiner Name	Unknown
Attorney Docket Number	PC26991A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/AS/		US- 4,656,027	04-07-1987	Sjoovist	
		US- 4,788,220	11-29-1988	Mody, et al	
		US- 4,994,260	02-19-1991	Kallstrand, et al	
		US- 5,008,117	04-16-1991	Calanchi, et al	
		US- 5,085,868	02-04-1992	Mattsson, et al	
		US- 5,164,510	11-17-1992	Brickner, et al	
		US- 5,231,188	07-27-1993	Brickner, et al	
		US- 5,272,137	12-21-1993	Blase, et al	
		US- 5,306,506	04-26-1994	Zema, et al	
		US- 5,354,556	10-11-1994	Sparks, et al	
		US- 5,409,907	04-25-1995	Blase, et al	
		US- 5,565,571	10-15-1996	Barbachyn, et al	
		US- 5,627,181	05-06-1997	Riedl, et al	
		US- 5,652,238	07-29-1997	Brickner, et al	
		US- 5,658,919	08-19-1997	Sheila, et al	
		US- 5,688,792	11-18-1997	Barbachyn, et al	
		US- 5,698,574	12-16-1997	Riedl, et al	
		US- 5,730,997	03-24-1998	Lienhop, et al	
		US- 6,069,145	05-30-2000	Betts	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/AS/	EP	717,992 A2	06-26-1996	Ratnaraj, et al		
	EP	0620001 A1	10-19-1994	Ratnaraj, et al		
	WO	98/17250	04-30-1998			
	WO	99/63937	12-16-1999	Griffin, et al		

Examiner Signature	/Aradhana Sasan/	Date Considered	04/03/2007
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	2	of	4
-------	---	----	---

Complete if Known

Application Number	10/763,299
Filing Date	January 22, 2004
First Named Inventor	J.K. Fredrickson
Art Unit	1615
Examiner Name	Unknown
Attorney Docket Number	PC26991A

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
/AS/	WO	01/52848 A2	07-26-2001	Percel, et al		
/AS/	WO	02/072102 A1	09-19-2002	Ulrich, et al		
/AS/	WO	02/09666 A1	02-07-2002	Keating, et al		

Examiner Signature	/Aradhana Sasan/	Date Considered	04/03/2007
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/763,299	
			Filing Date	January 22, 2004	
			First Named Inventor	J.K. Fredrickson	
			Group Art Unit	1615	
			Examiner Name	Unknown	
Sheet	3	of	4	Attorney Docket Number	PC26991A

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/AS/		"Buoyancy". http://hyperphysics.phy-astr.gsu.edu/hbase/pbuoy.html downloaded on: December 13, 2002	
		Dell, Sheila M. et al. "Avicel RC/CL, Microcrystalline Cellulose and Carboxymethylcellulose Sodium, NF, BP". FMC BioPolymer Section 14, 2001 pp. 1-27	
		Font, R. et al., "Semi-batch test of sedimentation. Application to design". Chemical Engineering Journal 80 (2000) Alicante, Spain pp. 157-165	
		Perry, Robert H ed., "Perry's Chemical Engineers' Handbook". McGraw-Hill Companies, Inc., Seventh Edition, 1997 pp.56-65	
		"Physical Treatment-Sedimentation" http://www.ae.iastate.edu/Ae573_ast475/Physical_Treatment-Theory.htm downloaded on: January 10, 2003	
		Reo, Joseph P. & Jennifer Fredrickson., "Taste Masking science and Technology Applied to Compacted Oral Solid Dosage Part 1". American Pharmaceutical Review, Spring 2002. www.americanpharmaceuticalreview.com/static_part_issues/1_APR_Spring_2002	
		Reo, Joseph P. & Jennifer Fredrickson., "Taste Masking science and Technology Applied to Compacted Oral Solid Dosage Part 2". American Pharmaceutical Review, Spring 2002. www.americanpharmaceuticalreview.com/static_part_issues/3_APR_Fall_2002	
		Reo, Joseph P. & Jennifer Fredrickson., "Taste Masking science and Technology Applied to Compacted Oral Solid Dosage Part 3". American Pharmaceutical Review, Spring 2002. www.americanpharmaceuticalreview.com/static_part_issues/4_APR_Winter_2002	
		Robinson, J.V. et al. "Rise of Air Bubbles in Aircraft Lubricating Oils". Technical Note 2033, National Advisory, Committee for Aeronautics, Washington, February 1950 pp. 1-24	
↓		Szatkowski, M., et al "Kinetics of flotation with fine bubbles". Trans. Institution of Mining and Metallurgy (Sect. G: Mineral Process. Extr. Metall.) 94, June 1985, pp. C61-C70	

Examiner Signature	/Aradhana Sasan/	Date Considered	04/03/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313

+

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/763,299
				Filing Date	August 20, 2004
				First Named Inventor	Jennifer K. Fredrickson
				Group Art Unit	1615
				Examiner Name	Unknown
Sheet	4	of	4	Attorney Docket Number	PC26991A

[illegible]

Examiner Signature	/Aradhana Sasan/	Date Considered	04/03/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313**

+